

## Product datasheet for **TP318864M**

### LRP5 (NM\_002335) Human Recombinant Protein

#### Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens low density lipoprotein receptor-related protein 5 (LRP5), 100 µg

Species: Human

Expression Host: HEK293T



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**Expression cDNA** >RC218864 representing NM\_002335  
**Clone or AA** **Red**=Cloning site **Green**=Tags(s)  
**Sequence:**

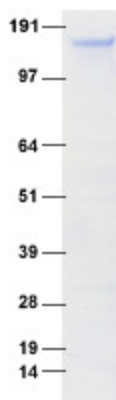
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 IAVDWARNLYWTDGTDRIEVTRLNGTSRKILVSEDLDEPRAIALHPVMGLMYWTDWGENPKIECANLD  
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 LELLSDMKTCIVPEAFVFTSRAAIHRISLETNNNDVAIPLTGVKEASALDFDVSNNHIYWTDVSLKTI  
 RAFMNGSSVEHVVEFGLDYPEGMAVDWMGKNLYWADTGTNRIEVARLDGQFRQVLVWRDLNPRSLALDP  
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 IADDLPHPFGLTQYSDIYWTDWNLHSIERADKTSGRNRTLIQGHLDVMDILVFHSSRQDGLNDCMHNN  
 GQCGQLCLAIPIGGHRCGCASHYTLDPSSRNCSPPTTFLLSQKSAISRMIPDDQHSPDLILPHGLRNK  
 AIDYDPLDKFIYWDGRQNIKRAKDDGTQPFVLTSLSQGNPDRQPHDLSIDIYSRTLFWTCEATNTINV  
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 NTLGKLFWDADLKRIESCDLSGANRLTEDANIVQPLGLTILGKHLWIDRQQQMIERVEKTTGDKRTR  
 IQGRVAHLTGIHAVEEVSLEEFSAHPCARDNGGCSHICAKGDGTPRCSCPVHLVLLQNLTCGEPPTCS  
 PDQFACATGEIDCIPGAWRCDGFPECDDQSDEEGCPVCSAAQFPCARGQCVDLRLRCDGEADCQDRSDEV  
 DCDAICLPNQFRCASGQCVLKQCCDSFPDCIDGSDELMCEITKPPSDDSPAHSAAIGPVIGIILSLFVM  
 GGVYFVCQRVVCQRYAGANGPFPHEYVSGTPHVPNLFIAPGGSQHGPFTGIACGKSMSSVSLMGGRRGV  
 PLYDRNHVTGASSSSSSTKATLYPPILNPPSPATDPSLYNMDMFYSSNIPATARPYRPIIRGMAPPT  
 TPCSTDVCDSDYSASRWKASKYYLDLNSDSDPYPPPTPHSQYLSAEDSCPPSPATERSYFHLFPPPPSP  
 CTDSS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 179 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002326</a>
<b>Locus ID:</b>	4041
<b>UniProt ID:</b>	<a href="#">O75197</a>
<b>RefSeq Size:</b>	5100
<b>Cytogenetics:</b>	11q13.2
<b>RefSeq ORF:</b>	4845
<b>Synonyms:</b>	BMND1; EVR1; EVR4; HBM; LR3; LRP-5; LRP-7; LRP7; OPPG; OPS; OPTA1; PCLD4; VBCH2
<b>Summary:</b>	This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Wnt signaling pathway

### Product images:



Coomassie blue staining of purified LRP5 protein (Cat# [TP318864]). The protein was produced from HEK293T cells transfected with LRP5 cDNA clone (Cat# [RC218864]) using MegaTran 2.0 (Cat# [TT210002]).